Proposed Claims:

Claim 1 (Previously amended). A method of modifying a video signal and/or copy protected video signal formed of video lines having horizontal blanking intervals (HBI), color burst signals, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance the copy protected video signal, comprising:

applying a negative-going presync pulse of substantially said sync tip level followed by a positive-going pulse in a front porch region of the HBI immediately prior to the H sync signal, to provide copy protection for the video signal or to enhance the playability and/or the effectiveness of the copy protected video signal.

Claim 2 (Previously amended). The method of claim 1 wherein the negative-going presync pulse is about 0.8 to 1.3 microseconds duration and the positive-going pulse is about 0.3 to 0.8 microseconds duration.

Claim 3 (Previously amended). The method of claim 2 wherein the negative-going presync pulse has an amplitude of about 40 IRE, and the positive-going pulse has an amplitude of about 30 to 130 IRE.

Claim 4 (Previously amended). The method of claim 1 including:

inserting an additional portion of color burst signal in the front porch, H sync and/or back porch regions of the HBI.

Claim 5 (Previously amended). The method of claim 1 including:

adding an extra post sync negative-going pulse after the H sync signal in the back porch region of the HBI.

Claim 6 (Previously amended). The method of claim 1 wherein the negative-going presync pulse of substantially said sync tip level is applied at or within the end of the active video line.

Claim 7 (Previously amended). The method of claim 1 wherein an additional negative-going pulse is added to at least a latter portion of the negative-going presync pulse.

Claim 8 (Previously amended). A method of modifying a video signal and/or copy protected video signal including video lines having horizontal blanking intervals (HBI), color burst signals, pseudo sync signals, AGC signals, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance the copy protected video signal, comprising:

applying an added negative-going pulse to at least a portion of the H sync signal and/or an added negative going pulse to at least a portion of the pseudo sync signal, to provide a negative-going amplitude extension of the H sync signal and/or of the pseudo sync signal.

Claim 9 (Previously amended). The method of claim 8 wherein the amplitude extending negative-going pulse added to the H sync and/or the pseudo sync signals has a duration of about 1.0 to 1.5 microseconds and an amplitude of about 10 to 50 IRE.

Claim 10 (Original). The method of claim 8 wherein the H sync or pseudo sync signal is reduced in amplitude.

Claim 11 (Previously amended). A method of modifying a video signal and/or copy protected video signal formed of video lines having horizontal blanking intervals (HBI), color burst signals, and/or horizontal (H) sync signals having a sync tip level, to provide and/or enhance the video signal and/or copy protected video signal, comprising:

applying a narrow negative-going presync pulse of substantially said sync tip level in a front porch region of the HBI prior to the H sync signal; and

applying a narrow positive-going pulse between the narrow negative-going pulse and the H sync signal in a selected percentage of video lines which include the negative-going pulse, to provide copy protection while maintaining or enhancing the playability of the resulting copy protected video signal.

Claim 12 (Previously amended). The method of claim 11 wherein the negative-going pulse has a duration of about 0.8 to 1.3 microseconds.

Claim 13 (Original). The method of claim 11 wherein the positive-going pulse has a duration of about 0.3 to 0.8 microseconds and an amplitude of about 30 to 130 IRE.

Claim 14 (Previously amended). The method of claim 11 including:
amplitude modulating the positive-going pulse.

Claim 15 (Previously amended). The method of claim 11 including:
modulating the pulse width of the positive-going pulse.

Claim 16 (Original). The method of claim 11 wherein the percentage of positive-going pulses added to the video lines with negative-going pulses is from 10% to 30%.

Claim 17 (Previously added). Apparatus for modifying a video signal and/or copy protected video signal formed of video lines having horizontal blanking intervals (HBI), color burst signals, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance the copy protected video signal, comprising:

a circuit for applying a negative-going presync pulse of substantially said sync tip level followed by a positive-going pulse in a front porch region of the HBI immediately prior to the H sync signal, to provide copy protection for the video signal or to enhance the playability and/or the effectiveness of the copy protected video signal.

Claim 18 (Previously added). The apparatus of claim 17 wherein the negative-going presync pulse is about 0.8 to 1.3 microseconds duration and the positive-going pulse is about 0.3 to 0.8 microseconds duration.

Claim 19 (Previously added). The apparatus of claim 18 wherein the negative-going presync pulse has an amplitude of about 40 IRE, and the positive-going pulse has an amplitude of about 30 to 130 IRE.

Claim 20 (Previously added). The apparatus of claim 17 including:

a circuit for inserting an additional portion of color burst signal in the front porch, H sync and/or back porch regions of the HBI.

Claim 21 (Previously added). The apparatus of claim 17 including:

adding an extra post sync negative-going pulse after the H sync signal in the back porch region of the HBI.

Claim 22 (Previously added). The apparatus of claim 17 wherein the negative-going presync pulse of substantially said sync tip level is applied at or within the end of the active video line.

Claim 23 (Previously added). The apparatus of claim 17 wherein an additional negative-going pulse is added to at least a latter portion of the negative-going presync pulse.

Claim 24 (Previously added). Apparatus for modifying a video signal and/or copy protected video signal formed of video lines having horizontal blanking intervals (HBI), color burst signals, pseudo sync signals, AGC signals, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance the copy protected video signal, comprising:

a circuit for applying an added negative-going pulse to at least a portion of the H sync signal and/or an added negative going pulse to at least a portion of the pseudo sync signal, to provide a negative-going amplitude extension of the H sync signal and/or of the pseudo sync signal.

Claim 25 (Previously added). The apparatus of claim 24 wherein the amplitude extending negative-going pulse added to the H sync and/or the pseudo sync signals has a duration of about 1.0 to 1.5 microseconds and an amplitude of about 10 to 50 IRE.

Claim 26 (Previously added). The apparatus of claim 24 wherein the H sync or pseudo sync signal is reduced in amplitude.

Claim 27 (Previously added). Apparatus for modifying a video signal and/or copy protected video signal formed of video lines having horizontal blanking intervals (HBI), color burst signals, AGC signals, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance the copy protected video signal, comprising:

a circuit for applying a narrow negative-going presync pulse of substantially said sync tip level in a front porch region of the HBI prior to the H sync signal; and

a circuit for applying a narrow positive-going pulse between the narrow negative-going pulse and the H sync signal in a selected percentage of video lines which include the negative-going pulse, to provide copy protection while maintaining or enhancing the playability of the resulting copy protected video signal.

Claim 28 (Previously added). The apparatus of claim 27 wherein the negative-going pulse has a duration of about 0.8 to 1.3 microseconds.

Claim 29 (Previously added). The apparatus of claim 27 wherein the positive-going pulse has a duration of about 0.3 to 0.8 microseconds and an amplitude of about 30 to 130 IRE.

Claim 30 (Previously added). The apparatus of claim 27including:

amplitude modulating the positive-going pulse.

Claim 31 (Previously added). The apparatus of claim 27 including:
modulating the pulse width of the positive-going pulse.

Claim 32 (Previously added). The apparatus of claim 27 wherein the percentage of positive-going pulses added to the video lines with negative-going pulses is from 10% to 30%.

Claim 33 (Previously added). A method of modifying a video signal and/or a copy protected video signal formed of video lines having horizontal blanking interval (HBI), color burst signals and/or horizontal (H) sync signals having a sync tip level, comprising:

applying a negative-going presync pulse of substantially said sync tip level followed by a positive-going pulse in a front porch region of the HBI immediately prior to the H sync signal, to provide copy protection for the video signal or to enhance the playability and/or the effectiveness of the copy protected video signal.

Claim 34 (Previously added). Apparatus for modifying a video signal and/or a copy protected video signal formed of video lines having horizontal blanking interval (HBI), color burst signals and/or horizontal (H) sync signals having a sync tip level, comprising:

a circuit for applying a negative-going presync pulse of substantially said sync tip level followed by a positive-going pulse in a front porch region of the HBI immediately prior to the H sync signal, to provide copy protection for the video signal or to enhance the playability and/or the effectiveness of the copy protected video signal.

Claim 35 (Previously added). A method of modifying a video signal including video lines having horizontal blanking interval (HBI), pseudo sync, AGC, color burst, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance a copy protected video signal, comprising:

applying an additional negative-going pulse to at least a latter portion of the H sync signal and/or to at least a latter portion of the pseudo sync signal, to provide a negative-going amplitude extension of the H sync signal and/or of the pseudo sync signal.

Claim 36 (Previously added). The method of claim 35 wherein the H sync or pseudo sync signal is reduced in amplitude.

Claim 37 (Previously added). Apparatus for modifying a video signal formed of video lines having horizontal blanking interval (HBI), pseudo sync, AGC, color burst, and/or horizontal (H) sync signals having a sync tip level, to provide a copy protection effect for the video signal or to enhance a copy protected video signal, comprising:

a circuit for applying an additional negative-going pulse to at least a latter portion of the H sync signal and/or to at least a latter portion of the pseudo sync signal, to provide a negative-going amplitude extension of the H sync signal and/or of the pseudo sync signal.

Claim 38 (Previously added). A method of modifying a video signal and/or a copy protected video signal formed of video lines having horizontal blanking interval (HBI), AGC, color burst, and/or horizontal (H) sync signals having a sync tip level, comprising:

applying a negative-going presync pulse of substantially said sync tip level in a front porch region of the HBI prior to the H sync signal, to provide copy protection for the video signal or to enhance the playability and/or the effectiveness of the copy protected video signal.

Claim 39 (Previously added). The method of claim 38 wherein the H sync or pseudo sync signal is reduced in amplitude.

Claim 40 (Previously added). The method of claim 38 wherein the negative-going presync pulse is about 0.8 to 1.3 microseconds duration.

Claim 41 (Previously added). The method of claim 40 wherein the negative-going presync pulse has an amplitude of about 40 IRE.

Claim 42 (Previously added). The method of claim 38 wherein the negative-going presync pulse is applied at or within the end of the active video line.

Claim 43 (Previously added). The method of claim 38 wherein an additional negative-going pulse is added at least to a portion of the negative-going presync pulse.

Claim 44 (Previously added). Apparatus for modifying a video signal and/or a copy protected video signal formed of video lines having horizontal blanking interval (HBI), pseudo sync, AGC, color burst, and/or horizontal (H) sync signals having a sync tip level, comprising:

a circuit for applying a negative-going presync pulse of substantially said sync tip level in a front porch region of the HBI prior to the H sync signal, to provide the modification of the video signal and/or of the copy protected video signal.

Claim 45 (Previously added). The apparatus of claim 44 wherein the negative-going presync pulse is about 0.8 to 1.3 microseconds duration.

Claim 46 (Previously added). The apparatus of claim 45 wherein the negative-going presync pulse has an amplitude of about 40 IRE.

Claim 47 (Previously added). The apparatus of claim 44 wherein the negative-going presync pulse is applied at or within the end of the active video line.

Claim 48 (Previously added). The apparatus of claim 44 wherein an additional negative-going pulse is added to at least a portion of the negative-going presync pulse.

Claims 49-70 (Withdrawn).